

### MATERIAL SAFETY DATA SHEET

# V1-110DBK BLACK

Version Number 1.0 Page 1 of 6
Revision Date 09/24/2002 Print Date 11/6/2011

## 1. PRODUCT AND COMPANY IDENTIFICATION

### POLYONE CORPORATION

2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY : Product Stewardship, (314) 771-1800

TELEPHONE

Emergency telephone : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure

number or accident).

Product name : V1-110DBK BLACK

Product code : FO20001893 Chemical Name : Mixture CAS-No. : Mixture

Product Use : Industrial Applications

## 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Carbon black	1333-86-4	10 - 30

## 3. HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards. See Sections 8 and 11 for additional details.

## POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : Irritating to respiratory system.

Ingestion : No known effects.

Eyes : Particulates, like other inert materials can be mechanically irritating.
Skin : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**Medical Conditions** : None known.

**Aggravated by Exposure:** 

## 4. FIRST AID MEASURES



### MATERIAL SAFETY DATA SHEET

## V1-110DBK BLACK

 Version Number 1.0
 Page 2 of 6

 Revision Date 09/24/2002
 Print Date 11/6/2011

Inhalation : Move to fresh air. When symptoms persist, or in all cases of doubt,

seek medical advice.

Ingestion : Not an anticipated health hazard.

Eyes : Rinse immediately with plenty of water for at least 15 minutes. If eye

irritation persists, seek medical attention.

Skin : Wash off with soap and plenty of water.

5. FIRE-FIGHTING MEASURES

Flash point : Not applicable

Flammable Limits

Upper explosion limit : Not applicable
Lower explosion limit : Not applicable
Autoignition temperature : No data available.

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide..

Special Fire Fighting

Procedures

: Fullface self-contained breathing apparatus (SCBA) used in positive  ${\bf F}$ 

pressure mode should be worn to prevent inhalation of airborne

contaminants.

Unusual Fire/Explosion

Hazards

None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid breathing dust. Avoid dust formation. Ensure adequate

ventilation. Wear appropriate personal protection during cleanup,

such as impervious gloves, boots and coveralls.

Environmental precautions : Should not be released into the environment. The product should not

be allowed to enter drains, water courses or the soil.

Methods for cleaning up : Clean up promptly by sweeping or vacuum. Do not create a powder

cloud by using a brush or compressed air. Shovel into suitable container for disposal. Refer to Section 13 of this MSDS for proper

disposal methods.

7. HANDLING AND STORAGE

Handling : Provide for appropriate exhaust ventilation and dust collection at

machinery. Avoid formation of dust and aerosols.

Storage : Store in a cool dry place. Keep away from open flames, hot surfaces

and sources of ignition.



### MATERIAL SAFETY DATA SHEET

# V1-110DBK BLACK

 Version Number 1.0
 Page 3 of 6

 Revision Date 09/24/2002
 Print Date 11/6/2011

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.

Eye/Face Protection : Safety glasses with side-shields.

Hand protection : Protective gloves.

Skin and body protection : Long sleeved clothing.

Additional Protective

Measures

Safety shoes

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.
 Wash hands before breaks and immediately after handling the product.

Engineering measures

: Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing

vapors.

## Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Carbon black	3.5 mg/m3	Time Weighted Average	Total dust. as carbon	ACGIH
		(TWA):	black	
Carbon black	3.5 mg/m3	PEL:	Total dust. as carbon	OSHA Z1
			black	

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid Evaporation rate : Not applicable. Appearance : powder, flakes Specific Gravity : Not determined Color : BLACK Bulk density : Not determined Odor : Very faint Vapor pressure : Not applicable. : Not applicable Melting point/range : Not applicable Vapor density : Not applicable Boiling Point: : Not applicable. pН

Water solubility : Negligible

## 10. STABILITY AND REACTIVITY

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Heat, flames and sparks.



### MATERIAL SAFETY DATA SHEET

## V1-110DBK BLACK

Version Number 1.0 Page 4 of 6
Revision Date 09/24/2002 Print Date 11/6/2011

Incompatible Materials : strong acids and oxidizing agents

Hazardous decomposition

products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen

(NOx), hydrogen chloride (HCl), other hazardous materials, and

smoke are all possible.

## 11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

## **Toxicity Overview**

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory system.

## LC50 / LD50

This product contains the following components which in their pure form have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
1333-86-4	Carbon black	Oral LD50	> 15,400 mg/kg	rat
		Dermal LD50	> 3 gm/kg	rabbit

#### Carcinogenicity:

This product contains the following components which in their pure form have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP
1333-86-4	Carbon black	no	2B	no

### IARC Carcinogen Classifications:

- 1 The component is carcinogenic to humans.
- 2A The component is probably carcinogenic to humans.
- 2B The component is possibly carcinogenic to humans.

## NTP Carcinogen Classifications:

- 1 The component is known to be a human carcinogen.
- 2 The component is reasonably anticipated to be a human carcinogen.

## Additional Health Hazard Information:



### MATERIAL SAFETY DATA SHEET

## V1-110DBK BLACK

 Version Number 1.0
 Page 5 of 6

 Revision Date 09/24/2002
 Print Date 11/6/2011

Carbon black 1333-86-4 Carcinogenicity: Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph Volume 65, issued in April 1996 concluded that, "There is sufficient evidence in experimental animals for the carcinogenicity of carbon black". Based on this evaluation, along with their evaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "Carbon Black is possibly carcinogenic to humans (Group 2B). Carbon Black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon black with PAH (polynuclear aromatic hydrocarbon) levels greater than 0.1% be considered suspect carcinogens.

## 12. ECOLOGICAL INFORMATION

Persistence and degradability : Pigments are practically not biodegradable.

Environmental Toxicity : No data available.

Bioaccumulation Potential : No data available.

Additional advice : No data available.

## 13. DISPOSAL CONSIDERATIONS

Product : Where possible, recycling is preferred to disposal or incineration. The

generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. The generator of waste material

has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial

and local regulations.

# 14. TRANSPORT INFORMATION

U.S. DOT Classification : Refer to specific regulation.

ICAO/IATA : Refer to specific regulation.

IMO / IMDG : Refer to specific regulation.

## 15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on the TSCA inventory or are

exempt.



## MATERIAL SAFETY DATA SHEET

## V1-110DBK BLACK

Version Number 1.0 Revision Date 09/24/2002 Page 6 of 6 Print Date 11/6/2011

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition

: This product does not contain a substance listed by California Prop 65.

65

Canadian Regulations:

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No. 1333-86-4

DSL : Listed.

National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Listed.

Japan ENCS : Listed.

Korea KECI : Listed.

Philippines PICCS : Listed.

## 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.